1 X 12 & 1 X 24 **VIDEO/STEREO DISTRIBUTION AMPLIFIERS**

The ES-209A is a 1 x 12 Video Distribution Amplifier combined with a 1 x 12 Dual Audio Distribution Amplifier. The ES-224 is very similar except that it is a 1 x 24 version. They are primarily designed to meet the needs of tape duplication systems as well as installations that require Audio and/or Video Distribution. Front panel-mounted controls are provided to adjust Video (EQ & Gain) and Audio (Left & Right Gain) output signals.

Features:

- Left & Right Channel Audio Gain Controls
- Professional Audio & Video Quality
- Transformerless Audio DA
- 1 x 12/24 Video DA
- 1 x 12/24 Stereo DA
- Video EQ & Gain Controls

The video section of the ES-209A and ES-224 may be used for signal distribution and for signal conditioning. They are capable of delivering the very highest professional video quality. The Equalization Control (EQ) may be used to boost chroma in recording if desired. The Gain Control provides an output from .5 V pt to 1.5 V pt (with 1 Vpp input). 0000000

The audio portion of the unit is designed to create 12/24 identical copies of the stereu input drive signals. Response, distortion and noise specifications make the stereo performance of the DA ideal for tape duplication or signal distribution, The audio DA input is balanced or un-

balanced (hi-impedance), while the outputs are medium, and will drive either 600 Ω or hi-impedance inputs.

Specifications

VIDEO

Input:	75Ω loop-thru, 1.0 Vpp nominal video, 15pf			(Dual Channel)
Propagation Delay: Differential Gain:	< .2%		Gain: Output Level: Output:	Balanced or Unbalanced, 2KΩ - 25KΩ +18dB maximum +21dB Maximum 600Ω Unbalanced
	< .2° (internal null pot)		Hum and Noise:	-112dB typical under +8dBm output -84dB min.
Gain:	< 62dB below 1 Vpp output -2dB to +3dB Will roll down 1dB or up 7dB at 3.58 MHz; EQ control compensates up to 1000' of RG-59	•	under -20dBm output Within 0.2dB, 20-20,000 Hz Within .5dB 2-35,000 Hz Less than 0.1% at 0dBm output	
	45dB between outputs 1.0 Vpp video, blanking at 0V DC. 12/24	iden-		28/52 RCA, 2 XLR
Source:	tical outputs			GENERAL
Connectors:			Dimensions:	19" Rack x 1.75" High x 5" Deep (ES-209A) 19" Rack x 3.5" High x 5" Deep (ES-224)

Accepts Balanced or Un-Balanced Audio

Loop-thru Audio & Video Inputs



- Internal Linearity Control
- Rack Mount Enclosure



AUDIO

Power: 117 VAC 50/60 Hz, 5 W

Options: J. UL

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